a1.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		133638						
First Inventor		Rollin George Giffin,	III	et				
Title	FLADE GAS TURBINE ENGINE WITH							
_	14 11 1 1 1 1 1	ER 115127629	]					

Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) Assistant Commissioner for Patents APPLICATION ELEMENTS ADDRESS TO: **Box Patent Application** Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) 1 X (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. X Specification [Total Pages Computer Readable Form (CRF) (preferred arrangement set forth below, - Descriptive title of the invention Specification Sequence Listing on: Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, ii. 🔲 or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) Assignment Papers (cover sheet & document(s)) - Detailed Description - Claim(s) Power of 37 CFR 3.73(b) Statement - Abstract of the Disclosure Attorney (when there is an assignee) English Translation Document (if applicable) Drawing(s) (35 U.S.C. 113) [ Total Sheets Copies of IDS Information Disclosure 12. 2 Citations Statement (IDS)/PTO-1449 5. Oath or Declaration [ Total Pages **Preliminary Amendment** Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) Return Receipt Postcard (MPEP 503) X (for continuation/divisional with Box 18 completed) 14. (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) DELETION OF INVENTOR(S) 15. Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 16. (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) of prior application No.: Continuation Divisional Group Art Unit: Prior application information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number or Bar Code Label 30503 Name Steven J. Rosen Patent Attorney 4729 Cornell Rd. Address 45241 Zip Code OH State Cincinnati City 513-489-54**6**6 513-489-5383 Fax Telephone IIS Country Registration No. (Attorney/Agent) 29,972 Steven J. Rosen Name (Print/Type) Signature

Burden Hour Statement: This form is estimated to take 0/2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Filing Date   Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT   (\$) 1, 272.00   Attorney Docket No.   133638	EEE TO A NOMITTA	$\overline{\Box}$	Complete if Known						
First Named Inventor   Rolling George Giffin, III et	FEE TRANSMITTA	느 [	Application Number			er			
Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT (s) 1, 272.00   Antomay Docket No. 133638	for EV 2003		Filing Date						
Applicant claims small entity status. See 37 CFR 1.27   TOTAI, AMOUNT OF PAYMENT (check all that apply)   Check   Credit card   Money Order   Other   None Order   Other		<u> </u>	First Named Inventor Ro			tor Roll:	in Geor	ge Giffin	, III et
METHOD OF PAYMENT (check all that apply)									- ]
METHOD OF PAYMENT (check all that apply)	Applicant claims small entity status. See 37 CFR 1.27		Art Unit						
Check Credit card Money Other None Order None Order None Order Order None Order None Order Order Order None Order	TOTAL AMOUNT OF PAYMENT (\$) 1,272.00	[	Attorney Docket No. 133638						
Content	METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Note   Part		3. ADDITIONAL FEES							
Deposit Account   Congrain   Congrain   Code (s)   Code (s)   Fee Paid   Code (s)   Code (s)   Code (s)   Fee Paid   Code (s)   Code (s)   Code (s)   Fee Paid   Code (s)   C									
Number   General Electric Company   1051   130   2051   65   Surcharge - late filing fee or cover shell   1052   130						Fee	Descriptio	n	Fee Paid
General Electric Company   Senderal Electric Eleg	Number	1051	130	2051	65	Surcharge - late	e filing fee or	oath	
1053   130   105	Account General Electric Company	1052	50	2052			provisional	filing fee or	<u> </u>
State   Stat		1053	130	1053	130	Non-English sp	ecification		
Examiner action   Examiner a	[						•		┝╼┽╽
Examiner action   Examiner action   Examiner action   Examiner action	X Charge any additional fee(s) during the pendency of this application	1804	920*	1804				R prior to	<b>└</b> ──-
1251   110   2251   55   Extension for reply within first month   1252   410   2252   205   Extension for reply within first month   1252   410   2252   205   Extension for reply within second month   1252   410   2252   205   Extension for reply within second month   1253   390   2253   465   Extension for reply within first month   1254   1,450   2254   2254   225   225   Extension for reply within first month   1253   390   2253   465   Extension for reply within first month   1254   1,450   2254   2255		1805	1,840*	1805				IR after	
1. BASIC FILING FEE   Large Entity   Small Entity   Fee   Fee   Fee   Description   Fee   Paid   1253   930   2253   465   Extension for reply within fromth   1254   1,450		1251	110	2251	55	Extension for re	eply within fir	st month	
Large Entity   Small Entity   Fee	المراجع النباء المراجع	1252	410	2252	205	Extension for r	eply within se	econd month	├  <b> </b>
Code (\$)   Code (\$)   Code (\$)	Large Entity Small Entity	1253	930	2253	465	Extension for re	eply within th	ird month	
1002 330   2002 165   Design filing fee   1401 320   2401 160   Notice of Appeal   1403 320   2402 160   Filing a brief in support of an appeal   1402 320 2402 160   Filing a brief in support of an appeal   1403 280 2403 140   Request for oral hearing   1451 1,510   1451 1,510   1451 1,510   Petition to institute a public use proceeding   1451 1,510   1451 1,510   Petition to revive - unavoidable   1453 1,300 2453   650   Petition to revive - unintentional   1451 1,310   1451 1,310   2501   650   Utility issue fee (or reissue)   1501 1,300   2501   650   Utility issue fee (or reissue)   1502 470   2502 235   Design issue fee   1460 130   Petition to revive - unintentional   1502 470   2502 235   Design issue fee   1460 130   Petition to revive - unintentional   1502 470   2502 235   Design issue fee   1460 130   Petition to revive - unintentional   1502 470   2502 235   Design issue fee   1460 130   Petition to revive - unintentional   1502 470   2502 235   Design issue fee   1460 130   Petition to revive - unintentional   1502 470   2502 235   Design issue fee   1503 630 2503 315   Plant issue fee   1460 130   Petitions to the Commissioner   1603 1460 130   Petitions to the Commissioner   1604 130   Petitions to the Commissioner   1604 130   Petitions to the Commissioner   1604 130   Petitions to the Commissioner   1605 1460 130   Petitions to the C		1254	1,450	2254	725	Extension for r	eply within fo	urth month	┝╌╌╣
1002 330   2002 165   Design filing fee   1401 320   2401 180 Notice of Appeal   1401 320   2402 160 Filing a brief in support of an appeal   1402 320   2402 160 Filing a brief in support of an appeal   1403 280   2403 140 Request for oral hearing   1403 280   2403 140 Request for oral hearing   1405 1,510 Petition to institute a public use proceeding   1405 1,510 Petition to revive - unavoidable   1405 1,510 Petition to revive -	1001 750 2001 375 Utility filing fee 750	1255	1,970	2255	985	Extension for re	eply within fif	th month	<del> </del>
1004 750   2004 375   Reissue filing fee   1403 280   2403 140   Request for oral hearing   1451 1,510   Petition to institute a public use proceeding   1451 1,510   Petition to revive - unavoidable   1452 110   2452 55   Petition to revive - unavoidable   1453 1,300   2453 650   Petition to revive - unintentional   1501 1,300   2501 650   Utility issue fee   1502 470   2502 235   Design issue fee   1503 630   2503 315   Plant issue fee   1	1002 330 2002 165 Design filing fee								
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Total Claims Independent Claims Multiple Dependent Claims 1202 18 2202 9 Claims in excess of 20 1203 280 2203 140 Multiple dependent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable 2452 55 Petition to revive - unavoidable 2453 650 Petition to revive - unintentional 2450 2501 650 Utility issue fee (or reissue) 1501 1,300 2501 650 Utility issue fee 1502 470 2502 235 Design issue fee 1503 630 2503 315 Plant issue fee 1503 630 2503 315 Plant issue fee 1504 750 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission after final rejection (37 CFR 1.129(a)) 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1801 750 2801 375 Request for Continued Examination of a design application  1802 900 1802 900 Request for expedited examination of a design application						•	• •	n appeal	<u> </u>
SUBTOTAL (1) (\$) 750   1452 110   2452 55 Petition to revive - unavoidable   1453 1,300   2453 650 Petition to revive - unintentional   1501 1,300   2501 650 Utility issue fee (or reissue)   1502 470   2502 235 Design issue fee   1503 630 2503 315 Plant issue fee   1600 130 Petitions to the Commissioner   1807 50 Processing fee under 37 CFR 1.17(q)   1807 50 Processing fee under 37 CFR 1.17(q)   1808 180 180 Submission of Information Disclosure Stmt   1809 750 2809 375 Filling a submission after final rejection (37 CFR 1.129(a))   1203 280 2203 140 Multiple dependent claims in excess of 20   1809 750 2800 375 For each additional invention to be examined (37 CFR 1.129(b))   1801 750 2801 375 Request for Continued Examination   1801 750 2801 375 Request for expedited examination   1802 900 Request for expedited examination   1803 2900 Request for expedited examination   1804 29				1		•	-	una proceedina	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Total Claims				1					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE   1501 1,300   2501 650 Utility issue fee (or reissue)   1502 470   2502 235 Design issue fee   1503 630   2503 315 Plant issue fee   1503 630   2503 315 Plant issue fee   1503 630   1460 130 Petitions to the Commissioner   1607 50 Processing fee under 37 CFR 1.17(q)   1807 50 Processing fee under 37 CFR 1.17(q)   1806 180   1806 180 Submission of Information Disclosure Stmt   1608 180   1809 1809   180	SUBTOTAL (1) (\$) 750								
Total Claims 49 -20** = 29 x 18 = 522   1503 630   2503 315 Plant issue fee   1504 130   1460 130								onai	
1903   1905   1907   1908   1909	Extra Claims below Fee Paid					•	•		
Claims Multiple Dependent  Large Entity   Small Entity   Fee   Fee   Fee   Fee   Code (\$)   Submission of Information Disclosure Stmt   Submission of Info	Independent ( )	1503	630	2503	315	Plant issue fee			
Large Entity   Small Entity   Fee Fee Fee Fee Fee Fee Gode (\$)   Small Entity   Fee Fee Fee Fee Fee Fee Fee Fee Fee F		1460	130	1460	130	Petitions to the	Commission	ner	
Fee Fee Code (\$)  1202 18  1202 9 Claims in excess of 20  1203 280  1204 42  1205 18  1206 45  1207 40  1208 42  1208 9 Claims in excess of 30  1209 1809 750  1809 750  1809 750  1809 750  2809 375 Filing a submission after final rejection (37 CFR 1.129(a))  1809 750  1809 750  2809 375 For each additional invention to be examined (37 CFR 1.129(b))  1809 750  1800 750  2809 375 For each additional invention to be examined (37 CFR 1.129(b))  1800 750  1801 750  1802 900 1802 900 Request for Continued Examination of a design application	_ ` ` <u> </u>	1807	50	1807	50	Processing fee	under 37 CF	R 1.17(q)	
Code (\$) Code (\$)  1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3  1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application 1802 (Chartier) (1802 (1802))  1802 1 40 Recording each patent assignment per property (times number of properties) 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1800 375 For each additional invention to be examined (37 CFR 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application		1806	180	1806					<b>   </b>
1202   18   2202   9   Claims in excess of 20   1809   750   2809   375   Filing a submission after final rejection (37 CFR 1.129(a))   1203   280   2203   140   Multiple dependent claim, if not paid 1204   84   2204   42   ** Reissue independent claims over original patent   1801   750   2810   375   For each additional invention to be examined (37 CFR 1.129(b))   1801   750   2801   375   Request for Continued Examination (RCE)   1205   18   2205   9   ** Reissue claims in excess of 20 and over original patent   1802   900   1802   900   Request for expedited examination of a design application   1802   900   1802   9		8021	40	8021	40	Recording each property (times	n patent assignumber of p	gnment per roperties)	40
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1205 18 205 9 "Reissue claims in excess of 20 and over original patent 1205 1205 1205 1205 1205 1205 1205 1205		1809	750	2809	375	Filing a submis	sion after fina		
1204 84 2204 42 "Reissue independent claims over original patent 1801 750 1802 900 Request for Continued Examination (RCE) 1802 900 Request for expedited examination of a design application		1810	750	2810		•		n to be	
1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 1802 900 Request for expedited examination of a design application			750	2801		•			
Other for (specify)	1205 18 2205 9 ** Reissue claims in excess of 20			l		Request for ex	xpedited exa		<del>  </del>
La II Oner ree (Specify)	<u> </u>	Other	. <b>f</b> oo <i>t</i> ==	noif A		of a design app	olication		
**or number previously paid, if greater; For Reissues, see above.  **Or number previously paid, if greater; For Reissues, see above.  **Or number previously paid, if greater; For Reissues, see above.	40								
SUBMITTED BY (Complete (if applicable)		==					(Complete		
Name (Print/Type) Nathan D. Herkamo Registration No. 28 812 Telephone 513/243-6473					28 8	312			
Signature Nathan D. Herkons Date August 25, 2003			Αποίηθγ/	Agent)			<u> </u>		5 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Rollin George Giffin, III et al.

Serial No.: : :

Filed: ::

For: FLADE GAS TURBINE ENGINE WITH COUNTER-ROTATABLE FANS

## CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached New Patent Application and associated papers are being deposited with the U.S. Postal Service on August 25, 2003 for mailing as first class mail in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

8/25/03

Date of Signature

Steven J. Rosen Reg. No. 29,972